

MIKHEYEV, A.V.

Second All-Union Ornithological Conference. Zool.zhar. 39  
no.2:318-320 F '60. (MIRA 13:6)  
(Ornithology--Congresses)

, MIKHEYEV, A.V., kand.biologicheskikh nauk

The law on conservation of nature and the tasks of biology teachers.  
Biol. v shkole no. 1:5'-61 Ja-F '61. (MIRA 14:4)

1. Chlen Vserossiyskogo obshchestva sodeystviya okhrane prirody i  
ozeleneniya neselennykh punktov.  
(Natural resources—Study and teaching)

MIKHEYEV, A.V., kand.biol.nauk (Moskva)

Where the birds winter. Priroda 50 no.4:57-62 Ap '61.  
(MIRA 14:4)  
(Birds--Migration)

MIKHEYEV, A.V.

Molt and migration of birds. Ornitologija no.4:336-347 '62.  
(MIRA 16:4)

(Birds—Migration)

(Feathers)

MIKHAYEV, A.V.

Some ecologic stimuli of seasonal migrations of birds. Ornitol  
gia no.5:324-329 '62. (MIRA 16:2)  
(Birds--Migration)

MIKHEYEV, A.V.

Characteristics of the distribution of hibernation places and  
migration routes of bird populations. Zool.zhur. 41 no.8:1210-1219  
Ag '62. (MIRA 15:9)

1. Zoological Department, V.I.Lenin State Pedagogical Institute,  
Moscow.

(Birds—Migration) (Birds in winter)

MIKHEYEV, A.V.

First Scientific Conference of the Zoologists of Teachers' Institutes of the R.S.F.S.R. Zool. zhur. 42 no.1:155-157 '63.  
(MIRA 16:5)  
(Zoology—Congresses)

MIKHEYEV, Aleksey Vasil'yevich; MAKAROV, V.V., red.; MAKAROVA, N.F.,  
tekhn. red.

[Nature study work on zoology in Pioneers' summer camps]  
Naturalisticheskaiia rabota po zoologii v letnikh pioner-  
skikh lageriakh. Izd.3. Moskva, Uchpedgiz, 1963. 181 p.  
(MIRA 17:3)

MIKHEYEV, A.V.

Role of environmental factors in the development of seasonal  
migrations of birds in the eastern palaearctic region. Uch.  
zap. MGPI no.227:3-278 '64. (MIRA 18:11)

MIKHEYEV, B.

Paying bonuses to engineers and technicians in the machinery industry. Sots.trud ? no.3:66-70 Mr '62. (MIRA 15:3)  
(Wages--Machinery industry) (Bonus system)

SHABALIN, N.S.; LOBANOVA, Ye.V.; MIKHEYEV, D.I.; SIDOROV, G.P.

Studying work methods of mechanizers in the peat industry. Torf.prom. 30  
no.8:28-31 Ag '53. (MLH 6:7)

1. Karinskoye torfopredpriyatiye (for Shabalov, Mikheyev). 2. Kirovskiy  
torfotrest (for Lobanova). 3. Ozeretskoye torfopredpriyatiye (for Sidorov).  
(Peat industry)

MIKHEYEV, D.P.; KIREYeva, Ye.N.; SMIRNOV, B.K., otv.red.; PEVZNER, A.S.,  
zav.red.izd-va; SHERSTNEVA, N.V., tekhn.red.

[Uniform time and pay standards for construction, assembly,  
and repair operations in 1960] Edinyye normy i rastsenki na  
stroitel'nye, montazhnye i remontno-stroitel'nye raboty,  
1960 g. Moskva, Gos.izd-vo lit-ry po stroit., arkhit. i stroit.  
materialam. Sbornik 9. [Interior sanitary-engineering installations]  
Vnutrennie sanitarno-tehnicheskie raboty. No.1. [Heating, water  
supply, sewer system, and gas supply] Otoplenie, vodoprovod, kana-  
lizatsiya i gazosanabzhenie. 1960. 63 p. (MIRA 13:6)

1. Russia (1923- U.S.S.R.) Gosudarstvennyy komitet po delam stroi-  
tel'stva. 2. Tsentral'noye normatiyno-issledovatel'skoye byuro  
(TsNIB) Glavmosstroya (for Kireyeva).  
(Wages) (Sanitary engineering) (Gas distribution)

MIKHEYEV, D.P.; VINOGRADOV, L.A.; TOLKACHEV, A.V.; SMIRNOV, B.K., otv.red.; PEVZNER, A.S., zaveduyushchiy red.izd-va; TEMKINA, Ye.L., tekhn.red.

[Uniform time and pay standards for construction, assembly, and repair operations in 1960] Edinyye normy i rastsenki na stroitel'nye, montazhnye i remontno-stroitel'nye raboty, 1960 g. Moskva, Gos.izd-vo lit-ry po stroit., arkhit. i stroit.materialam. Sbornik 10. [Installing exterior networks of water-supply, sewer, gas-supply, and electric-heating systems] Montazh vnoeshnikh setei vodoprovoda, kanalizatsii, gazosnabzheniya i teplofifikatsii. 1960. 119 p. (MIRA 13:6)

1. Russiya (1923- U.S.S.R.) Gosudarstvennyy komitet po delam stroitel'stva. 2. TSentral'noye normativno-issledovatel'skoye byuro (TAMIB) Glavmosstroya (for Vinogradov). 3. Normativno-issledovatel'skaya stantsiya No.6 Ministerstva stroitel'stva elektrostantsiy SSSR (NIS-6 MSES SSSR) (for Tolkachev). (Wages) (Pipe)

MIXHEYEV, D.R.

Cost accounting for brigades using papermaking machines.  
Bum. prom. no.3:22-24 Mr '64. (MIRA 17:3)

1. Permskiy universitet im. A.M. Gor'kogo.

MIKHEYEV, D.R.

Need for specific expenditure norms of fibrous materials per hectare  
of paper. Bum. prom. no.2:30 F '64. (MIRA 17:3)

1. Permskiy gosudarstvennyy universitet im. A.M.Gor'kogo.

MIKHEYEV, E.P.

Ships repaired by their own crews. Rech.transp. 18 no.5:36-37  
My '59. (MIRA 12:9)

1. Zam.nachal'nika Bel'skogo tekhnicheskogo uchastka puti.  
(Ships--Maintenance and repair)

MIKHEYEV, Docent F. D.

232T47

USSR/Electricity - Electromagnets, AC Sep 52

"Calculation of an Electromagnet With a Short-Circuited Turn and Constant Flux Lingage," Docent F. D. Mikheyev, Cand Tech Sci, V. S. Mogil'nikov, Engr, Leningrad

"Elektrichestvo" No 9, pp 3-7

Gives a method for calcg the av and min pull of an electromagnet with a short-circuited turn [shading coil] and const flux linkage. Analyzes dependency of these pulls on the relative value of the pole area shaded by the coil and the resistance of the coil for finite gaps. Submitted 23 Jun 51.

232T47

Mikheyev, F. K.

Subject : USSR/Electricity AID P - 1508  
Card 1/1 Pub. 26 - 4/36  
Author : Mikheyev, F. K., Eng.  
Title : The operational width of the single-bucket excavator  
Periodical : Elek. sta., 3, 14-18, Mr 1955  
Abstract : The author attempts to find the width which will result in the most efficient operational performance of the excavator with a straight shovel. The widths given in several publications which the author quotes vary greatly. The author attempts to find a general formula and concludes that the optimal width for this type of bucket should not exceed a swinging angle of 35 to 40 degrees.  
Institution: None  
Submitted : No date

Subject : USSR/Power AID P - 4027  
Card 1/1 Pub. 26 - 16/31  
Author : Mikheyev, F. K., Eng.  
Title : A test-mounting of a pre-assembled turbogenerating unit.  
Periodical : Elek. sta., 11, 46-47, N 1955  
Abstract : The experience with mounting a generating unit, pre-assembled in large blocks at one of the new heat and power plants is reported. This method is recommended. Two diagrams.  
Institution : None  
Submitted : No date

BARASHKOV, I., kand.tekhn.nauk; KAZAKOV, N., inzh.; MIKHEYEV, G., inzh.

New system for accounting maintenance and repair of motor  
vehicles in automotive transportation units. Avt.transp.  
38 no.8:14-18 Ag '60. (MIRA 13:8)  
(Motor vehicles—Maintenance and repair—Accounting)

MIKHEYEV, G. A.

Migmatization and granitization in contact aureoles of twin-crystal mica granites; upper parts of the Greater and Little Laba in the Northern Caucasus. Trudy NPI 103:15-25 '59.  
(MIRA 13:9)  
(Laba Valley--Granite)

MIKHEYEV, G.D.

Composition and nutritive value of feeds of the saksaul and sedge  
pastures of the Karakum. Izv. AN Turk. SSR. Ser. biol. nauk no.2:  
21-26 '62. (MIRA 17:4)

1. Nauchno-issledovatel'skiy institut zhivotnovodstva i veterinarii  
Ministerstva sel'skogo khozyaystva Turkmenskoy SSR.

YERMAKOVA, I. A.; MIKHAYEV, G. D.

Nutritive value of basic grazing crops of the Turkmen S.S.R.  
Izv. AN Turk.SSSR. Ser. biol.nauk no. 6:3-14 '63. (MIRA 17:5)

1. Turkmenskiy nauchno-issledovatel'skiy institut zhivotnovodstva  
i veterinarii.

VIZ. V. I. F.

Break through of clay in active workings in the minds of the Muznets' Factory. Moscow,  
Ugolnochizdat, 1951. (File 57-867) Collation of the original: 174 v.

Microfilm TM-14

MIKHEYEV, G.F.

Coal Mines and Mining

Escape of clay into an active mine. Ugol', 27, no. 2, 1952.

Monthly List of Russian Accessions, Library of Congress, May 1952 UNCLASSIFIED.

MIKHEYEV, G.F., slushatel'.

Safe location of drainage wells for draining the sands on top of coal strata. Ugol' 28 no.6:33-36 Je '53. (MLR 0:0)

1. Akademiya ugol'noy promyshlennosti. (Mine drainage)

MIKHEYEV, G.F.

ZEMLYANSKIY, Ye.O., gornyy inzhener; PUKHTINSKIY, A.N.

Remarks on G.F.Mikhnev's article "Safe distribution of drainage wells in draining coal sands." Ugol' 29 no.5:45-46 Ky '54. (NLRA 7:6)

1. Treast Soyuzshakhtosusheniye (for Zemlyanskiy). 2. Treast Melidovshakhtostroy (for Pukhtinskiy). (Mine drainage)  
(Mikhnev, G.F.)

MIKHEYEV, Grigoriy Fedorovich, kandidat tekhnicheskikh nauk; ISLAM-  
KYMA, T.P., redaktor; FURMAN, G.V., tekhnicheskiy redaktor.

[New technology and efficient work organization in coal mines;  
based on the work practice of leading coal mines] Novaia tekhnika i peredovaia organizatsiia truda na ugol'nykh shakhtakh;  
iz opyta raboty peredovykh utol'nykh shakht. Moskva, Izd-vo  
"Znanie," 1955. 39 p. (Vsesoiuznoe obshchestvo po rasprostraneniiu politicheskikh i nauchnykh znanii Ser.4, no.31)(MLRA 8:10)  
(Coal mines and mining)

~~ANALYST, TRANSLATOR AND EDITOR~~  
MIKHAYEV, Grigorix Fedorovich, kand.tekhn.nauk; KIRZHNER, D.M., otvetstvennyy red.; PEYTEL'MAN, N.G., red.izd-va; NADEINSKAYA, A.A., tekhn. red.; SABITOV, A., tekhn.red.

[Economics, production organization and planning in the Soviet coal industry] Ekonomika, organizatsiya proizvodstva i planirovaniye v ugol'noi promyshlennosti SSSR. Moskva, Ugletekhsizdat, 1957. 545 p.  
(Coal mines and mining) (MIRA 11:2)

MIKHEYEV, G.F., kand.tekhn.nauk; ROGOZHAN, A.N., inzh.

Metal level control in conveyer-type equipment for the  
continuous pouring of steel. Stal' 22 no.2:126 P '62.  
(MIRA 15:2)

1. Institut ekonomiki AN SSSR.  
(Continuous casting--Equipment and supplies)  
(Liquid level indicators)

L 42279-65 EWT(d)/EWT(m)/EWP(1) Feb DIAAP  
AM5006607 BOOK EXPLOITATION

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Mikheyev, Grigory Fedorovich

Economic effectiveness of the use of radioactive radiation and isotopes in the national economy of the U.S.S.R. (Ekonomicheskaya effektivnost' isprl'sovaniya radioaktivnykh izlucheniy i izotopov v narodnom khozyaystve SSSR) Moscow, Atomizdat, 1964. 223 p. illus., bibliog. 1600 copies printed. (At head of title: Akademiya nauk SSSR. Institut ekonomiki) Editor: Yu. S. Troshkin; Technical editor: Ye. I. Mazel'; Proofreader: G. D. Shishkova.

TOPIC TAGS: agriculture, biochemistry, atomic energy, economics, nuclear geo-physics, nuclear geochemistry, radioactive isotope, production process

PURPOSE AND COVERAGE: This is one of the first studies of the Institute of Economics of the Academy of Sciences of the U.S.S.R. on determining the actual economic effectiveness of utilizing atomic energy in industry and in agriculture for interaction with materials and processes, control and regulation of production processes, and improvement in technical and biochemical processes. Chapter V was written by N. O. Fejtel'man, and sections pertaining to the application of radioactive isotopes and nuclear radiation in agriculture by N. S. Prokof'yev. The

Card 1/2  
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author expresses his gratitude to T. S. Khachaturov, G. D. Bakulev, and K. I. Kltaenko. The following staff members of the Institute of Economics helped in preparing the materials utilized in the monograph: S. V. Belova, K. P. Kedrova, N. M. Kuzcvkova, V. A. Makarov, and S. S. Romashkova.

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Card 2/3

SUBMITTED: 17 OCT 64

KULIKOV, A.V.; MIKHAYEV, G.F.; CHERNOV, N.N.

Letter to the editor. Izv.vys.ucheb.zav.; prib. 3 no.3:123-125  
'60. (MIRA 14:4)  
(Betatron)

21.2000

M-26  
SOV-FTI-3-1-1

AUTHORS: Mikheyev, G. F., Chernova, N. N.

TITLE: Stabilization of  $\gamma$ -Ray Radiation Intensity in Synchrotron and Synchrotrons

PERIODICAL: Zhurnal Tekhnicheskoy Kibernetiki, 1970, No. 3, pp. 11-14 (USSR)

ABSTRACT: In the present paper the authors describe the principle and operation of a feedback stabilization of intensity used on the synchrotron FTI AN SSSR (PTI AS USSR). The method was first proposed by Fry and others (see references). The most important feedback parameter is the time  $T$  of application of the high voltage impulse at the injector (or briefly, the initiation time). On the FTI synchrotron this time is adjusted by varying the magnetizing dc current  $I$  of the permalloy feeler of the supermagnetic field, located in the gap of the synchrotron electromagnet. The feedback circuit is represented in Fig. 2. The ionization chamber (A) potential of the

Card 1

Stabilization of  $\gamma$ -Ray Radiation  
Intensity in Betatrons and  
Synchrotrons

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Order of  $\omega_{\text{res}}$  is compared with the constant potential  $E$ . The amplifier sensitivity is 100 mV/mA, and we obtain for the feedback amplification a factor  $K = \frac{\Delta J}{\delta J} = 10$ , where  $\Delta J$  is variation of intensity without the feedback arrangement, and  $\delta J$  is the assigned instability limit. The current amplification factor is  $\beta = 10^4$ , and the zero drift is not bigger than 0.1% per hr. Figure 1 represents experimental curves of intensity variations versus the switch-on time  $T_{\text{on}}$  of the high frequency voltage in the synchrotron resonator, at 90% and 50% stabilization levels. The broken line is the  $J = f(T_{\text{on}})$  relationship of feedback  $\omega$ . In Fig. 2 are curves of intensity versus the injection time,  $T_i$ , for 90% and 50% of the maximum level in the process of stabilization. The broken line is again the ordinary intensity line without stabilization. The authors emphasize that the resonator potential and intensity-time are two independent synchrotron parameters.

Card 1 of 1

Start (Initial) *Y-B* *Sync*  
Initial *Y-B* *Sync* *Sync*  
Syncronization

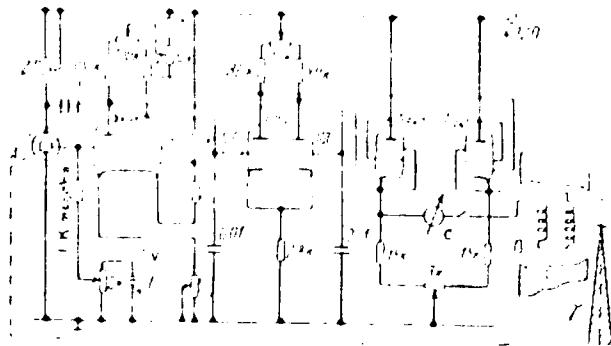


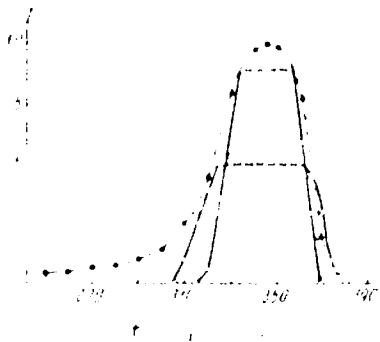
Fig. 1. (A) Initial synchronization; (B)

Initial synchronization; (C) initial synchronization; (D) initial synchronization.

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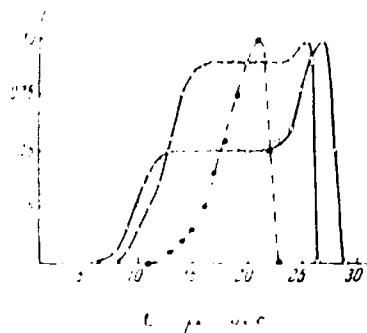


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Stabilization of  $\gamma$ -Ray Radiation  
Intensity in Beta-ray and  
Synchrotron

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Carlo ... *Plots of Intensity versus Time*

Stanford University - Ray R. Holt  
Electrical Engineering Department  
Information Project

7/1/67  
607/12001-8

and one additional parameter,  $\Delta f_e$ , which is the maximum value of the parameter,  $f_e$ , on the interval of interest.

Therefore, the maximum error in the estimate of  $f_{max}$  is

$$f_{max} - f_{max}^* = \Delta f_e \text{ where } f_{max}^* \text{ is the true maximum value of } f_{max}.$$

Subject to the condition of feasibility,  $f_{max}^*$  is the maximum value of the parameter  $f_e$  on the interval of interest.

$$f_{max} - \Delta f_e < f_{max}^* < f_{max} + \Delta f_e$$

Let  $\Delta f_e$  be the maximum value of the function  $f_e$  on the interval of interest. Then the estimate of  $f_{max}$  is

the maximum value of  $f_e$  on the interval of interest.

Since the maximum value of  $f_e$  on the interval of interest is  $f_{max}$ , the estimate of  $f_{max}$  is  $f_{max}^* = f_{max}$ .

Report

Stabilization of  $\gamma$ -Ray Radiation  
Intensity in Beta-ray Beam  
Synchrotron

SCV 57-3-1-1

placed) and maintained in during the experiment. The following parameters were measured with an accuracy of 1%: All the operator had to do was to set the operating conditions of the synchrotron and stabilize the beam. The operators of the synchrotron were V. V. Slobodkin, V. N. K. Gerasimov, T. N. Slobodkina, V. V. Vaynshteyn, V. S. Gerasimov, V. K. Gerasimov, E. I. Rakhmanova, V. V. Slobodkin, V. N. K. Gerasimov, D. M. Fomin, O. Davydov, V. Slobodkin, V. N. K. Gerasimov, P. V. Ponomarev, V. V. Slobodkin, H. H. Weiland, H. F. Pausier, R. J. L. Pausier (CERN, Geneva, Switzerland).

ASSOCIATION: Radio-Technical Institute of the USSR, Institute of Radio-technological Institute AN BSSR, g. Grodno, BSSR.

SUBMITTED: July 2, 1964

Card 1 of 1

MIKHEYEV, G. F.

PHASE I BOOK EXPLOITATION SOI/5592

Vsesoyuznoye soveshchaniye po vnedreniyu radioaktivnykh izotopov i yadernykh izlucheniy v narodnom khozyaystve SSSR. Riga, 1961.

Radioaktivnyye izotopy i yadernyye izlucheniya v narodnom khozyaystve SSSR; trudy Vsesoyuznogo soveshchaniya 12 - 16 aprelya 1960 g. g. Riga, v 4 tomakh. t. 4: Poiski, razvedka i razrabotka poleznykh iskopayemykh (Radioactive Isotopes and Nuclear Radiation in the National Economy of the USSR; Transactions on the Symposium Held in Riga, April 12 - 16, 1960; in 4 volumes. v. 4: Prospecting, Surveying, and Mining of Mineral Deposits) Moscow, Gostoptekhizdat, 1961. 284 p. 3,640 copies printed.

Sponsoring Agency: Gosudarstvennyy nauchno-tehnicheskiy komitet Soveta Ministrov SSSR. Gosudarstvennyy komitet Soveta Ministrov SSSR po ispol'zovaniyu atomnoy energii

Eds. (Title page): N. A. Petrov, L. I. Petrenko, and P. S. Savitskiy; ed. of this volume: M. A. Speranskiy; Scientific ed.: M. A. Speranskiy; Executive Eds.: N. N. Kuz'mina and A. G. Ionel'

Card 1/11

Radioactive Isotopes and Nuclear (Cont.)

SOV/5592

Tech. Ed.: A. S. Polosina.

PURPOSE: The book is intended for engineers and technicians dealing with the problems involved in the application of radioactive isotopes and nuclear radiation.

COVERAGE: This collection of 39 articles is Vol. 4 of the Transactions of the All-Union Conference of the Introduction of Radioactive Isotopes and Nuclear Reactions in the National Economy of the USSR. The Conference was called by the Sovnarkomtegbyr of the USSR. The Scientific-Technical Committee of the Council of Ministers of the USSR, Academy of Sciences USSR, Gosplan SSSR (State Planning Committee of the Council of Ministers of the USSR), Gosnauk (Scientific-Technical Committee of the Council of Ministers of the USSR for Automation and Machine Building), and the Council of Ministers of the Latvian SSR. The reports summarized in this publication deal with the advantages, prospects, and

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## Radioactive Isotopes and Nuclear (Cont.)

SOW/5592

development of radioactive methods used in prospecting, surveying, and mining of ores. Individual reports present the results of the latest scientific research on the development and improvement of the theory, methodology, and technology of radiometric investigations. Application of radioactive methods in the field of engineering geology, hydrology, and the control of ore enrichment processes is analyzed. No personalities are mentioned. There are no references.

## TABLE OF CONTENTS:

Aleksayev, P. A. Present State and Future Prospects of Applying the Methods of Nuclear Geophysics in Prospecting, Surveying, and Mining of Minerals 5

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Radioactive Isotopes and Nuclear (Cont.)

SCV/5592

Present State of Radiometric Methods and Their Efficiency in  
Studying Geological Sections of Petroleum, Gas, Oil, and Coal  
Boreholes

Speranskiy, M. A. Application of Radioactive Methods in the  
Exploration and Prospecting of Coal Deposits

Zaporozhets, V. M., and B. I. Rogov. Radiometric Equipment for  
the Investigation of Boreholes

Mikheyev, G. Y., and N. G. Feytel'man. Economic Effect of the  
Application of Radiometric Methods in Prospecting, Surveying, and  
Exploitation of Oil and Gas Deposits

Aleksseyev, F. A., D. P. Bespalov, B. M. Purcov, B. A. Yefolim-  
skiy, N. V. Popov, Yu. S. Shmelevich, and A. S. Skol'nikov.  
Pulse-Type Neutron Method for Investigating the Geological  
Sections of Boreholes

Card 4/11

PHASE I BOOK EXPLOITATION

SOV/5486

Vsesoyuznoye soveshchaniye po vnedreniyu radioaktivnykh izotopov i yadernykh izlucheniy v narodnoye khozyaystvo SSSR. Riga, 1960.

Radioaktivnyye izotopy i yadernyye izlucheniya v narodnom khozyaystve SSSR; trudy soveshchaniya v 4 tomakh. t. 1: Obshchiye voprosy primeneniya izotopov, pribory s istochnikami radioaktivnykh izlucheniy, radiatsionnaya khimiya, khimicheskaya i neftepererabatyvayushchaya promyshlennost' (Radioactive Isotopes and Nuclear Radiations in the National Economy of the USSR; Transactions of the Symposium in 4 Volumes. v. 1: General Problems in the Utilization of Isotopes; Instruments With Sources of Radioactive Radiation; Radiation Chemistry; the Chemical and Petroleum-Refining Industry) Moscow, Gostoptekhizdat, 1961. 340 p. 4,140 copies printed.

Sponsoring Agency: Gosudarstvennyy nauchno-tehnicheskiy komitet Soveta Ministrov SSSR, and Gosudarstvennyy komitet Soveta Ministrov SSSR po ispol'zovaniyu atomnoy energii.

Ed. (Title page): N.A. Petrov, L.I. Petrenko and P.S. Savitskiy; Eds. of this Vol.: L.I. Petrenko, P.S. Savitskiy, V.I. Sinitzin, Ya. M. Kolotyrkin, N.P. Syrkus and R.F. Romm; Executive Eds.: Ye. S. Levina and B. F. Titskaya; Tech. Ed.: E.A. Mukhina.

Card 1/12

Radioactive Isotopes (Cont.)

SOV/5466

**PURPOSE:** The book is intended for technical personnel concerned with problems of application of radioactive isotopes and nuclear radiation in all branches of the Soviet economy.

**COVERAGE:** An All-Union Conference on problems in the introduction of radioactive isotopes and nuclear radiation into the national economy of the Soviet Union took place in Riga on 12-16 April 1960. The Conference was sponsored by: the Gosudarstvennyy nauchno-tehnicheskiy komitet Soveta Ministrov SSSR (State Scientific and Technical Committee of the Council of Ministers, USSR); Glavnoye upravleniye po ispol'zovaniyu atomnoy energii pri Sovete Ministrov SSSR (Main Administration for the Utilization of Atomic Energy of the Council of Ministers, USSR); Academy of Sciences, USSR; Gosplan USSR; Gosudarstvennyy komitet Soveta Ministrov SSSR po avtomatizatsii i mashinostroyeniyu (State Committee of the Council of Ministers, USSR, for Automation and Machine Building) and the Council of Ministers of the Latvian SSR. The transactions of this Conference are published in four volumes. Volume I contains articles on the following subjects: the general problems of the Conference topics; the state and prospects of development of radiation chemistry; and results and prospects of applying radioactive isotopes and nuclear radiation in the petroleum refining and chemical industries. Problems of designing and manufacturing instruments which contain sources of radioactive radiation and are used for checking and automation of technological processes are examined, along with problems of accident prevention in their use. No personalities are mentioned. References accompany some of the articles.

Card 2/12

Radioactive Isotopes (Cont.)

SOV/5486

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## GENERAL PROBLEMS OF THE USE OF ISOTOPES

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Card 3/12

S/057/61/031/001/016/017  
B104/B204

21.2000

AUTHORS: Komar, A. P., Mikheyev, G. F., and Chernov, N. N.

TITLE: A System for the extremum control of the intensity of gamma radiation of a synchrotron

PERIODICAL: Zhurnal tekhnicheskoy fiziki, v. 31, no. 1, 1961, 109-115

TEXT: The authors describe an extremum control system which had been constructed for the synchrotron of the institute mentioned under Association and which controls simultaneously two parameters which, essentially, determine the stability of the intensity of gamma radiation. In the first part of this paper, an extremum controller with one input parameter is studied. The so-called step modulation of the input parameter is mentioned as the most favorable control method. The injection time  $T$  is considered to be the input parameter. This injection time changes with a constant frequency and the amplitude  $\delta T$ . Thus, the initial quantity, i.e., the intensity of gamma radiation assumes the values  $I'$  according to the injection time  $T$ , and  $I''$  according to the injection time  $T + \delta T$ . The sign of the difference ( $I'' - I'$ ) is determined from these values.

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A system for the extremum control...

S/057/61/031/001/016/017  
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If  $(I'' - I') < 0$ , the operating point is to the left of the extremum, and if it is  $> 0$ , it is to the right of it. Thus,  $T = k \text{sign}(I'' - I')$  (1),

where  $T$  is the increment of the injection time,  $\bar{I}''$  and  $\bar{I}'$  are the mean values of the intensities corresponding to the injection times  $T$  and  $T + \delta T$ . For improving the quick response, the authors, in the scheme developed by them, used not only the sign of  $(I'' - I')$  according to (1), but also the amount of this difference according to the relation

$T = \frac{1}{k} (\bar{I}'' - \bar{I}')$  (2), where  $k$  is the negative feedback factor. In order

that the quantity  $\delta(\Delta T)$  be as small as possible, a high amplification factor is necessary for the feedback. A scheme based on this principle is shown in Fig. 1 as a block diagram, whereas in Fig. 2 it is shown as a circuit diagram. A parameter which just as important for a synchrotron, is the instant  $T_{hf}$  where the high-frequency voltage is connected to the resonator of the synchrotron. It is shown that for normal operation of a system of several extremum controllers the demand that the extremum controllers do not act upon one another need not necessarily be fulfilled.

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A system for the extremum control ...

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This demand may be satisfied if the extremum controllers operate alternatively. In this way, however, a reduction of the quick response is caused, and the question is examined how far an incomplete decoupling of the two extremum controllers is permissible. For this purpose, it is sufficient to modulate the two input parameters by means of another frequency. Fig. 3 shows a system of two extremum controllers which operate according to this principle. Blocks (1) and (2) correspond to blocks (1) and (2) in Fig. 1, the dashed blocks correspond to the dashed block in Fig. 1. By means of this extremum controller,  $T$  and  $T_{hf}$  are controlled, and the good results obtained from this controller are discussed. Scientific collaborator A. V. Kulikov is thanked for interest and advice. There are 4 figures and 5 Soviet-bloc references.

ASSOCIATION: Fiziko-tehnicheskiy institut AN SSSR Leningrad  
(Institute of Physics and Technology AS USSR, Leningrad)

SUBMITTED: June 15, 1960

Card 3/7

X

23730

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B116/B201

26.2040

AUTHORS: Komar, A. P., Mikheyev, G. F., Fominenko, V. P. and Chernov, N. N.

TITLE: Study of electron capture with steady betatron acceleration

PERIODICAL: Zhurnal tekhnicheskoy fiziki, v. 31, no. 6, 1961, 740-745

TEXT: The authors wanted to determine the part played by the individual sections of the capture range, i.e., the contribution of the electrons captured onto the various instantaneous orbits to the total current of all captured electrons. The investigation was conducted by the method earlier described by the authors (Ref. 1: ZhTF, 30, no. 7, p. 855-859, 1960). This method made it possible to inject the electrons only into the previously chosen narrow section  $\delta - \delta$  of the instantaneous orbits within the capture interval  $\Delta t$  (Fig. 1). This was achieved with the aid of a special injector device provided with deflector plates, which made it possible (1) to cut off the voltage pulse  $U(t)$  of injection on the side of the large or small  $t$  values to any pulse duration (Fig. 2A and 6);(2) to cut out an interval

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Study of electron capture...

S/057/61/031/006/014/019  
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in any pulse section by completely cutting off the residual pulse portion (Fig. 2 6); (3) to shift the injection pulse with or without the interval along the time axis. The injection pulse displayed a sine shape, and had a duration of 12  $\mu$ sec and an amplitude of 40 kv. The intensity of gamma radiation was checked while conducting the experiments, instability amounting to 5% at most. The experiments were made on the synchrotron of FTI AN SSSR with an initial betatron acceleration. The radius of the equilibrium orbit was  $R_0 = 32$  cm, the coefficient of the magnetic field drop was  $n=0.67$ , and the steepness of increase of the magnetic field during injection was 1 örsted/ $\mu$ sec. Figs. 3 and 4 present typical experimental dependences of gamma radiation intensity on the position of the square pulses cutting off one or the other part of the injection pulse. Each figure refers to a definite position of the injection pulse with respect to the moment at which the magnetic field of the betatron passes through zero. The corresponding capture interval is represented by the  $\Delta$  curves. The A and B curves represent the change of intensity when cutting off the injection pulse on the side of the larger (A curve) and the smaller (B curve) t values

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S/057, 61/031, 006/014 019

B1\*\*6/B10\*

Study of electron capture ...

by the square pulse applied to one of the plates. The  $E$  curves refer to the "scanning" of the injection pulse with the aid of the slit in time which has a width of 0.1 usec and a spacing of 0.1 usec (Fig. 1). The  $\gamma$  curves denote the angle of capture of electrons from the slit at the injector at the external edge of the accelerator. The interpretation allows the following to be stated. - The space charge generated by the electrons escaping from the injector before and behind the capture slit does no effect upon the scattering of electrons. Under operating conditions given above, the energy loss of the electrons is negligible. The initial unperturbed state of the beam is maintained throughout the experiments and also the same is true for the first few turns of the beam. In particular, the field of the magnetic system does not change in the longitudinal direction of the region of the experiment. The electron current of the beam going up the channel also determines the intensity of the current. The maximum intensity can be attained in 5 different injector intervals. The injector interval must affect the capture in the slit. It is the same for each of the 5 injector intervals. The amplitude of the current is constant and the last harmonic of conduction remains in the magnetic system. This is done as long as the emission current is sufficiently large to maintain the negative

Card 5 of 6

25740

S. O-7, 10-11, 1968/04-01\*

File, b7c

**Study of electron capture.**

Interaction of electrons with the chamber walls causes currents. Interaction of electrons with the chamber walls takes place such that 4) The capture of every electron at the walls  $\Delta t$  takes place such that the intensity of the current of  $\Delta t$  that is equivalent to the emission current observed at the same time is proportional to the magnetic field. This is demonstrated in the figure of the intensity. Although an increase of the intensity does not mean that the electrons can reach the chamber wall, it is nevertheless of interest to note that the equilibrium state of the intensity remains constant even after injection. This indicates that with the use of this mode of injection, the limit of the mean electron density in the chamber is attained already in the interval  $\Delta t$ . Further injecting even leads to a decrease of intensity. 5) The change of nonuniformity of the magnetic field with a change of the emission current depends upon the space charge produced by the electrons circulating in the chamber during the capture interval. 6) It is noted that several articles said the views that the intensity may be augmented by changing the form of the electron source. The authors of the present paper believe that such a change can be brought about by a proper choice

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S/057/61/031/006/014/019  
B116/B201

Study of electron capture...

of the capture interval. This interval must be sufficiently large for the orbits near the equilibrium orbit, corresponding to the available invariable nonuniformity of the magnetic field of the accelerator concerned. The main contribution of one or the other front of the injection pulse is also explained thereby. With weak emission currents, an additional rise of intensity can be achieved owing to contraction effects. There are 5 figures and 1 Soviet-bloc references.

ASSOCIATION: Fiziko-tehnicheskiy institut im. A. F. Ioffe AN SSSR  
Leningrad (Institute of Physics and Technology imeni  
A. F. Ioffe, AS USSR, Leningrai)

SUBMITTED: July 25, 1960

Card 5/8

MIKHEYEV, Grigoriy Fedorovich; POSTNIKOV, Vladimir Ivanovich;  
VORONOVA, A.I., red.; VLASOVA, N.A., tekhn. red.

[Effectiveness of using radioisotopes in the national economy]  
Effektivnost' primeneniya radioaktivnykh izotopov v narodnom  
khoziaistve. Moscow, Gosatomizdat, 1962. 102 p. (MIRA 15:7)

1. Institut ekonomiki Akademii nauk SSSR i Kafedra organizatsii  
proizvodstva Moskovskogo Vyshego tekhnicheskogo uchilishcha  
im. Baumana (for Mikheyev, Postnikov).  
(Radioisotopes--Industrial applications)

MIKHEYEV, G.E.; FEYTEL'MAN, N.G.; KALYUZHNAIA, T.P., red.; VLASOVA,  
N.A., tekhn. red.

[The economics of radiometric methods in the extractive branches  
of industry] Ekonomika radiometricheskikh metodov v dobyvaiushchikh  
otrasliakh promyshlennosti. Moskva, Gosatomizdat, 1962. 166 p.  
(MIRA 15:12)

(Nuclear geophysics) (Geology, Economic)

MIKHEYEV, G.F., kand. tekhn. nauk; FEYTEL'MAN, N.G., kand. ekon.  
nauk; MELESHKO, V.K., red.; MAZEL', Ye.I., tekhn. red.

[Method for determining the economic efficiency of utilizing atomic energy in the national economy] Metodika opredelenija ekonomiceskoi effektivnosti ispol'zovaniia atonoi energii v narodnom khoziaistve. Moskva, Gosatomizdat,  
1963. 53 p. (MIRA 16:12)

1. Akademiya nauk SSSR. Institut ekonomiki.  
(Atomic energy--Economic aspects)

MIKHEYEV, Grigoriy Fedorovich; TOPCHIYEV, A.V., akademik, otv. red.  
[deceased]; BOL'SHAKOV, V.P., red. izd-va; SOROKIN, V.S.,  
red. izd-va; MAKOGONOVA, I.A., tekhn. red.

[Isotopes save time and work] Izotopy ekonomiat vremia i trud.  
Moskva, Izd-vo Akad. nauk SSSR, 1963. 108 p. (MIRA 16:2)  
(Isotopes--Industrial applications)

MIKHEYEV, Grigoriy Fedorovich; TROSHKIN, Yu.S., red.

[Economic efficiency of using radioactive radiation and isotopes in the national economy of the U.S.S.R.] Ekonomicheskaiia effektivnost' ispol'zovaniia radioaktivnykh izlucheniil i izotopov v narodnom khoziaistve SSSR. Moscow, Atomizdat, 1964. 223 p. (MIA 17:12)

MIKHEYEV, Grigoriy Fedorovich

[Economic efficiency of using isotopes in metallurgy]  
Ekonomicheskaiia effektivnost' primeneniia izotopov v  
metallurgii. Moskva, Metallurgija, 1965. 128 p.  
(V.I.R.A 18:12)

MIKHEYEV, G.I.; YABLOKOV, K.V.

Tectonics of the region of gentle dislocations in the south-western spurs of the Polousnyy Range in the northeastern U.S.S.R.  
Izv.AN SSSR.Ser.geol. 28 no.2:30-38 F '63. (MIRA 16:2)

1. Yanskoye rayonnoye geologicheskoye upravleniye i Institut  
geologii rudnykh mestorozhdeniy, petrografii, mineralogii i  
geokhimii AN SSSR, Moskva.  
(Polousnyy Range region--Geology, Structural)

5 2300  
S/081/62/000/0C4/066/087  
B150/B138

AUTHORS: Obolentsev, R. D. Mashkina, A. V., Mikhayev, G. M.

TITLE: The hydro-refining of highly sulfurous petroleums

PERIODICAL: Referativnyy zhurnal. Khimiya, no. 4, 1962, 477-478, abstract 4M140 (Sb. "Khimiya geraorgan. soyedineniy, soderzhaanchikhsya v neftyakh i nefteprodukakh. v. 4", M., Gosoptekhizdat., 1961, 184-188)

TEXT: Experiments were made in the hydrorefining of highly sulfurous Arlan petroleums in a once-through laboratory set-up under  $H_2$  pressure in the presence of a sulfurized alumo-cobalt-molybdenic catalyst. The dependence of the depth of hydro-desulfurization upon the temperature, volumetric speed and partial  $H_2$  pressure was studied. It was found that in the temperature range 350-425°C the depth of desulfurization increases from 40 to ~68% with a comparatively small increase in yield of light fractions (beginning to boil at 300°C) from 48 to 55%; a further rise in temperature up to 500°C

Card 1/2

The hydro-refining of highly...

S/081/62/000/004/066/087  
B150/B138

produces considerable development in the hydro-cracking reaction, and the depth of desulfurization reaches 87%. A study of the catalyst fatigue shows that in the first hours of working, the activity of the catalyst falls sharply, and then keeps to a constant desulfurization level of ~30%. Preliminary results obtained indicate the possibility of deep hydrodesulfurization of Arlan petroleum and the production from low-sulfur refined-crude residues and of light petroleum products with standard properties. A diagram of the plant is submitted. [Abstracter's note: Complete transla-

Card 2/2

KATOBASHVILI, Ya.P.; MIKHEYEV, G.M.

Concerning the preparation of filled active aluminum oxide.  
Nefteper. i neftekhim. no.12:11-15 '64. (MIRA 18:2)

I. Institut neftekhimicheskogo sinteza AN SSSR.

KATSOBASHVILI, Ya.R.; MIKHAYEV, G.M.

Activity of spherical carbonization catalysts. Khim. i tekhn.  
(MIRA 18:2)  
topl. i masel 9 no.12:28-32 D '64.

1. Institut neftekhimicheskogo sinteza AN SSSR.

L 4576-66 EWT(d)/EWT(m)/EWP(w)/EWA(d)/EWP(v)/T/EWP(k)/EWP(t)/EWP(s)/EWP(b)/EWA(c)  
ACC NR: AP5024601 MJW/JD/HM/HW/EM

UR/0114/65/000/009/0037/0040 54  
621.772.4:621.791.053 50

AUTHOR: Shron, R. Z. (Candidate of technical sciences); Malygina, A. A. (Engineer); Salamatina, A. I. (Engineer); Mikhayev, G. N. (Engineer) 44,55

TITLE: The operation of welded joints of austenite steam pipes (experiment at the Chelyabinsk TETs-1) 44,55

SOURCE: Energomashinostroyeniye, no. 9, 1965, 37-40

TOPIC TAGS: weld defect, weld evaluation, metal welding, austenite steel, pipe 44,55

ABSTRACT: The authors present the generalized results of an experiment concerning the operation of austenite (steel 1Kh18N12T) welded joints of the steam piping of the SVP complex of the Chelyabinsk TETs-1 over the 1959 — 1964 period. The SVP complex consists of two 68SP300/215 boilers and SVP-50-3 turbines. The vapor pressure ahead of the turbine is 210 at, temperature 555 — 560°C. The number of welded joints is 342, approximately 70% of which were made on the spot during construction. The present article presents in the form of graphs and tables the accumulated number of working hours, changes in vulnerability (with time, and according to depth), comparative changes in vulnerability of austenite and nonaustenite joints, vulnerability of thick sections as compared with the vulnerability of the entire system, and the vulnerability of tube joints utilizing 10 different types of alloying. Results show that in spite of a certain increase in system's reliability the thermal processing of 1Kh18N12T steel joints does not secure a reliable operation because of the tendency of the

Card 1/2

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ACC NR: AP5024601

steel to local failures in the vicinity of joints. Tests at the TsNITmash, TsKTI, and VNI indicate that the steel should be replaced by Kh16N9M2 which is by its composition close to the US steel AISI 316 which proved very successful in American thermal power plants with vapor temperatures up to 650C. Orig. art. has: 5 figures and 2 tables.

4

ASSOCIATION: none

SUBMITTED: 00

ENCL: 00

SUB CODE: IE, MM

NO REF SOV: 006

OTHER: 000

Card 2/2

DP

ARISTOV, M.Ya., kand. tekhn. nauk; KOZHEUROVA, M.F., tekhnik;  
MIKHEYEV, G.N., inzh.

Performance of steampipes from 1Kh18N12T steel of the SVP  
block of the Chelyabinsk thermal electric power plant №.1.  
Teploenergetika 10 no.12:60-64 D '63. (MIRA 17:8)

1. Vostochnyy filial Vsesoyuznogo teplotekhnicheskogo instituta,  
Chelyabinsk, i Chelyabinskaya TETs-1.

Reich. V. von Vasiliyevitch Kostylev, 1900, Leningrad, USSR,  
German Nizhnyevol'sk, 1910.

After which he was sent to Berlin, Germany, to repair  
of aircraft and equipment, a terminal point of  
Suzhivenskaia (former Soviet secret agent codename). Marks,  
Trunap, etc., etc.

IVANOV, V.I., inzhener; MIKHEYEV, G.P., inzhener.

The nature of bright spots and methods of preventing this flaw.  
Stal' 7 no.1:52-55 '47. (MIRA 9:1)

1.Voroshilevgradskiy parvezestreitel'myy zaved.  
(Steel forgings--Metallurgy)

*M. Khayev, G.P.*

IVANOV, V.I., inzhener; MIKHAYEV, G.P.

Radiation steam superheaters in open-hearth furnaces. Stal' ?  
no.3:270-271 '47. (MLRA 9:1)

1.Vorochilevgradskiy parovozostroitel'nyy zavod.  
(Open-hearth furnaces)(Superheaters)

KOMAR, A.P.; MIKHEYEV, G.P.; CHERNOV, N.N.

System of extremum control of the intensity of  $\gamma$ -radiation of a  
synchrotron. Zhur. tekh. fiz. 31 no.1:109-115 Ja '61.  
(MIRA 14:2)

1. Fiziko-tehnicheskiy institut AN SSSR, Leningrad.  
(Gamma rays) (Synchrotron)

SPITSYN, Vikt.I.; MIKHEYEV, I.B.; KHERMANN, A.

New method of accelerating the establishment of equilibrium  
between the crystalline phase and solution. Zhur.neorg.khim.  
11 no.1:195-197 Ja '66. (MIRA 19:1)

I. Kafedra neorganicheskoy khimii Moskovskogo gosudarstvennogo  
universiteta imeni M.V.Lomonosova. Submitted May 5, 1964.

KUTUZOV, B.N., kand.tekhn.nauk; MIKHEYEV, I.G.

Dry dust collecting on drilling rigs. Gor.zhur. no.5:68-70  
My '62. (MIRA 16:1)

1. Moskovskiy gornyy institut,  
(Bo-ring machinery) (Dust collectors)

KUTUZOV, B.N., kand. tekhn. nauk; KRASNOPOL'SKIY, A.A., inzh.; KACHURIN,  
N.I., inzh.; MIKHEYEV, I.G., inzh.

Dust trapping by compressed air removal of drilling fines from  
boreholes. Bezop. truda v prom. & no.11:46-47 N '64.  
(MIRA 18:2)

KUTUZOV, B.N., kand. tekhn. nauk; MIKHAYEV, I.G., gornyy inzh.; DUMAKHOVSKIY,  
A.V., gornyy inzh.

Effect of the amount of compressed air used on the efficiency of  
roller bit drilling. Gor. zhur. no.4:32-34 Ap '65. ('MIRA 18:5)

1. Moskovskiy institut radioelektroniki i gornoj elektromekhaniki.

Mikhayev, I.  
25/1

PHASE I BOOK EXPLOITATION SOV/3284

Butenko, N. L., Engineer, L. D. Ginzburg-Shik, Engineer, K. S. Yevtyukhov, Engineer, V. A. Krylov, Engineer, I. I. Mikheyev, L. M. Khinkis, Engineer, B. Z. Chernyak, Candidate of Technical Sciences, and V. N. Yakovlev, Engineer.

Spravochnik po montazhu zavodskogo oborudovaniya (Handbook on Assembling and Installation of Plant Equipment) Moscow, Mashgiz, 1959. 828 p. Errata slip inserted. 20,000 copies printed.

Ed. (Title page): V. N. Yakovlev, Engineer; Ed. (Inside book): G. A. Molyukov, Engineer; Tech. Ed.: A. Ya. Tikhonov; Managing Ed. for Handbook Literature (Mashgiz): I. M. Monastyrskiy, Engineer.

PURPOSE: This book is intended for technical personnel engaged in the installation and erection of industrial equipment.

COVERAGE: The book contains a set of instructions and engineering data on equipment, devices, and tools used in the installation and erection of industrial equipment and machinery. Installation Card 1/4

Handbook on Assembling and Installation (Cont.) SOV/3284

procedures for various machines, pneumatic, hydraulic and lubricating systems are explained. The book also discusses safety regulations and fire prevention instructions to be observed during various operations. The text contains numerous graphs, tables and illustrations. No personalities are mentioned. There are 7 Soviet references.

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AVAILABLE Library of Congress

Card 4/4

VK/mg  
4-25-00

MIKHEYEV, Il'ya Il'ich; IPATOV, P.P., inzh., nauchnyy red.; SHIROKOVA, G.M.,  
red. izd-vs; OSENKO, L.M., tekhn. red.

[Assembly of centralized systems of lubrication and hydraulic and  
pneumatic drives] Montazh tsentralizovannykh sistem smazki, gidravliki  
i pnevmatiki. Moskva, Gos. izd-vo lit-ry po stroit., arkhit., i stroit.  
materialam, 1961. 240 p. (MIRA 14:11)

(Lubrication and lubricants) (Oil-hydraulic machinery)  
(Pneumatic machinery)

MATVIYENKO, A.D.; MIKHAYLOV, V.I., inzh; MIKHEYEV, I.I., inzh.

Surface air leakages in mines and their causes. Bezop.truda v prom.  
(MIRA 14:6)  
5 no.6:5-6 Je '61.

1. Chlen-korrespondent Akademii stroitel'stva i arkhitektury  
USSR (for Matviyenko).  
(Mine ventilation)

MIKHEYEV, I.I.

Vertical polishing machine with mechanical feed. Der. i lesokhim.  
prom. 3 no.9:22-23 S '54. (MIRA 7:9)

1. Glavnnyy inzhener tresta L'vovmebel'drevprom.  
(Grinding and polishing)

MIKHNEV, I.I., inzhener.

Automatic feeding device on a jointing machine. Der. prem. 5  
no.3:18-20 Mr '56. (MIRA 9:7)

1.L'vovskiy lesotekhnicheskiy institut.  
(Jointer (Woodworking machine)) (Automatic control)

MIKHEYEV, I.I.

~~Drum sander for circular parts. Der.prom. 5 no.11:23-25 N '56.~~  
~~(MLRA 10:1)~~

1. L'vovskiy lesotekhnicheskiy institut.  
(Grinding and polishing)

MIKHAYEV, I.I., inzhener.

Modernizing the ~~hand~~ machine. Ser. nov. 6 no. 7:24-26 J1 '52.  
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I.L'vovskiy lesotekhnicheskiy institut.  
(woodworking machinery)  
(printing and publishing)

MIKHEYEV, I.I., inzh.

The ShlPF grinding machine. Der. prom. 7 no. 5:14-15 My '58.  
(MIRA 11:7)

1. Lvovskiy lesotekhnicheskiy institut.  
(Grinding machines)

MIKHEYEV, I.I., inzh.

Investigating the grinding of parts with a circular cross-section. Der. prom. 8 no.10:14-16 O '59. (MIRA 12:12)

I.L'vovskiy lesotekhnicheskiy institut.  
(Grinding and polishing)

MIKHEYEV, I. I., Cand Tech Sci -- (diss) "Research into grinding machines and the process of grinding wooden parts of round cross-section." Moscow, 1960. 20 pp with charts; 1 page of tables; (Ministry of Higher and Secondary Specialist Education RSFSR, Moscow Forestry Engineering Inst); 200 copies; price not given; list of author's works at end of text (12 entries); (KL, 17-60, 157)

ANDRUSYAK, G. G., MIKHEYEV, I. I., TITARCHUK, V. G.

Penulum sander. Der.prom. 9 no.6:15-16 Je '60.  
(MIRA 13:8)  
(Lvov Province--Sanding machines)

MIKHEYEV, I.I.; MERKULOV, K.I.

Ways of increasing the operating efficiency of sanders. Der.  
prom. 10 no.12:4-6 D '61. (MIRA 14:12)

1. L'vovskiy lesotekhnicheskiy institut (for Mikheyev).
2. Moskovskaya mebel'naya fabrika No.5 (for Merkulov).  
(Sanding machines)

MIKHEYEV, I.I., kand.tekhn.nauk

Automation of the control of wood grinding conditions. Der.prom.  
11 no.12:5-6 D '62. (MIRA 16:1)  
(Grinding machines) (Automatic control)

MIKHEYEV, I.I.; BERENIS, A.A.; GEVRIK, Ye.A.; OGUROK, I.A.

Centerless grinding machine for polishing the front legs of bent  
chairs. Bum. i der. prom. no. 3:46-48 J1-S '63. (MIRA 17:2)

1. L'vovskiy lesotekhnicheskiy institut (for Mikheyev, Berenis,  
Gevrik). 2. L'vovskaya fabrika gnutoy mebeli (for Ogurok).

MIKHEYEV, I.I., kand. tekhn. nauk

Base forming section in automatic lines for planing scantling  
parts. Bum. i der. prom. no.2;8-13 Ap-Je '65. (MIRA 18;6,

MIKHEYEV, Ivan Mikheyevich; KANTER, A.I., red.; ROZEN, E.A., tekhn.red.

[Talks on agriculture; our tasks in the sixth five-year plan]  
Besedy o sel'skom khoziaistve: nashi zadachi v shestoi piatiletke.  
[Moskva] Izd-vo "Sovetskaja Rossiia," 1957. 89 p. (MIRA 11:3)  
(Agriculture)

MIKHEYEV, Ivan Mikheyevich, kand.ekonom.nauk; GRINGAUZ, S., red.;  
YAKOVLEVA, Ye., tekhn.red.

[How the material and technical basis of communism is  
created] Kak sozdaetsia material'no-tehnicheskaya baza  
kommunizma. Moskva, Izd-vo "Moskovskii rabochii", 1959.  
38 p.

(Russia--Economic policy)

(MIRA 13:2)

AID P - 4360

Subject : USSR/Heat Engineering

Card 1/1 Pub. 110-a - 5/19

Author : Mikheyev, I. M., Kand. Tech. Sci. All-Union Power  
Institute for Correspondence Course

Title : Heat transfer in a horizontal pipe with a free-motion  
of different fluids.

Periodical : Teploenergetika, 4, 19-21, Ap 1956

Abstract : The author reports on research made on different free-  
flowing fluids in a horizontal pipe and on their heat  
transferring capacities. A certain conformity for  
various types of fluids at certain temperatures and  
certain direction of the heat flow is established. Four  
diagrams. Five Russian references, 1940-1955; two  
German 1911 and 1932.

Institution : None

Submitted : No date

Mikheyev, I. M.

137-58-4-6880

Translation from Referativnyy zhurnal Metallurgiya 1958 Nr 4 p 80 (USSR)

AUTHOR: Mikheyev, I. M.

TITLE: Perfecting the Technology of Casting MA8 Alloy (Usovershenstvovaniye tekhnologii lit'ya iz splava MA 8)

PERIODICAL V sb. Metallurg. osnovy lit'ya legkikh splavov. Moscow, Oborongiz, 1957 pp 63-87

ABSTRACT: The smelting of MA8 alloy (Mn 1.7-1.8%, Ce 0.25-0.35% residue Mg and random impurities) in shaft furnaces with removable Fe crucibles and pouring into thick-walled iron molds yields ingots with flux and oxide inclusions and permits only a low rate of output. Conversion to smelting in reverberatory furnaces and casting of ingots by the semicontinuous method in an installation with a mixer and a stool made it possible to improve the quality of the ingots and to roll sheet from ingots instead of from extruded blanks, thereby sharply increasing the capacity of the rolling mills, improving the quality of the sheet metal, and cutting the cost of sheet to 40% of its former level. The ingots contained virtually no inclusions of flux and oxides. The content of harmful impurities was cut in % as follows

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137-58-4-6880

Perfecting the Technology of Casting MA8 Alloy

Fe from 0.05 to 0.025, Cu from 0.05 to 0.03, Ni from 0.007 to 0.002. When Mn was introduced into the charge as an Mg-Mn alloying element and, in part, as metallic Mn, liquation accumulations of Mn were found at 930-950°C. To avoid formation thereof, Mn was added to the charge in the form of anhydrous  $MnCl_2$  at 780-800°, based on addition of 1.9-2% Mn with stirring of the melt. Reduction in the temperature of re-heat of the alloy significantly reduced oxidation and burn-off of metal.

Ye Z

1. Magnesium-manganese alloys--Technology--Improvement

Card 2/2